

Practice

For use with pages 237–241

Find the product.

1. $\frac{14}{25} \cdot \left(-\frac{3}{7}\right)$

2. $-\frac{20}{33} \cdot \left(-\frac{3}{11}\right)$

3. $51 \cdot \left(-\frac{5}{6}\right)$

4. $-\frac{7}{22} \cdot (-4)$

5. $2\frac{1}{12} \cdot \left(-10\frac{4}{5}\right)$

6. $-6\frac{3}{16} \cdot 5\frac{3}{7}$

7. $-1\frac{4}{27} \cdot \left(-3\frac{6}{11}\right)$

8. $-5\frac{1}{9} \cdot 2\frac{4}{13}$

Evaluate the expression.

9. $\frac{1}{4} \cdot \frac{8}{9} \cdot \left(-\frac{3}{5}\right)$

10. $\frac{4}{7} \cdot \left(-\frac{1}{8}\right) - \frac{3}{4}$

11. $\frac{7}{10} \cdot \frac{2}{9} + \frac{2}{3}$

Simplify the expression.

12. $\frac{20x}{9} \cdot \frac{36x^4}{5}$

13. $\frac{75x^4}{8} \cdot \frac{14x}{3}$

14. $-\frac{8x}{15} \cdot \left(-\frac{4x}{7}\right)$

15. $-\frac{x^6}{11} \cdot \left(-\frac{5x^8}{3}\right)$

16. $-\frac{13x^2}{10} \cdot \frac{6x^3}{5}$

17. $-\frac{x^6}{12} \cdot \left(-\frac{11x^5}{12}\right)$

18. $\frac{xy}{6} \cdot \frac{2x^3y}{3}$

19. $-\frac{x^2y}{4} \cdot \frac{10y^2}{3}$

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Evaluate the expression when $x = -\frac{2}{3}$, $y = \frac{9}{14}$ and $z = -\frac{23}{42}$.

20. $x \cdot y + z$

21. $y + x \cdot z$

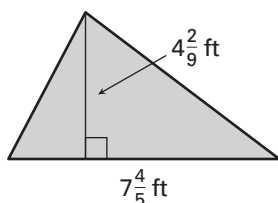
22. $x \cdot y \cdot z$

23. $z - y \cdot x$

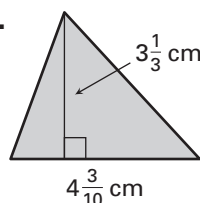
24. A shoreline is eroding at a rate of $2\frac{5}{18}$ feet each year. At this rate, how many feet will the shoreline erode in 8 years?

Find the area of the triangle.

25.



26.



27. In a class election, $\frac{5}{6}$ of the students have already voted. Of those students, $\frac{11}{17}$ have voted for Cindy. There are 102 students in the class. How many students voted for Cindy?